**Unit 4**

**Instructional Day: 30**

**Topic Description:** Complete presentations.

**Objectives:**

The students will be able to:

* Complete a presentation on the final project.

**Outline of the Lesson:**

* Gallery walk (10 minutes)
* Final Project Presentations (45 minutes)

**Student Activities:**

* Participate in gallery walk.
* Complete final project presentations.

**Teaching/Learning Strategies:**

* Have students do a gallery walk of the projects.
  + Complete the Peer Grading form for each project.
* Presentations
  + Have students take turns presenting. They will present their product as well as explain how they created the projects.
    - Help guide students by asking questions if the student does not fully explain how they wrote their program.
  + Have students in audience complete their Peer Grading forms.
  + Have students vote for first and second place.

**Resources:**

* Peer Grading
* My Community Project Sample Rubric
* Game Project Sample Rubric

**Final Project**

Choose one of the following:

**My Community Project**

You will use Scratch to make a project about your community. You will use blocks like broadcast in your project. You should have at least three different pages or scenes in this project.

Decide on one positive thing that you want to highlight and one thing you want to improve about your community. Then find at least one statistic to backup your conclusions. Also include at least one personal comment/recording and one picture. Lastly, you should have at least one observation from someone else in the class about the topic – this means you will have to ask them what they think and either record it or write it down.

Use these websites to find statistics about Los Angeles and California:

For Education Data go to:

http://dq.cde.ca.gov/dataquest/ http://www.ed-data.k12.ca.us/welcome.asp

For information about other concerns in LA, like hunger and homelessness, go to:

http://www.unitedwayla.org/GETINFORMED/RR/Pages/default.aspx http://www.unitedwayla.org/getinformed/rr/datalinks/Pages/default.aspx

For information about health and health care go to (if you need a password, let me know):

http://www.chis.ucla.edu/

For Los Angeles Sponsored web sites go to:

http://www.ci.la.ca.us/

**Create A Game Project**

Create your own game that meets the specifications outlined in the rubric. Be creative!

Community Project Sample Rubric

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you have?

Points Possible

Yes

No

The Content

3 or more scenes

10

1 or more positive things in the community that you want to highlight

5

1 or more things in the community that you would like to improve

5

Statistics to back up your conclusions

5

A personal comment/recording

5

A personal picture

5

A comment/recording from someone else in the class

5

The Program

Use broadcast

10

Scenes only show sprites that are supposed to be in that scene

10

Program starts and restarts when green flag is clicked

10

The Presentation

Show and explain the contents of each scene in your project

9

Explain how each scene changes (how the program works)

9

Peer Grading

12

Extra Credit

Have the best project as voted on by peers

Up to 10

TOTAL:

100

Points Earned

Exploring Computer Science—Unit 4: Introduction to Programming

191

Game Project Sample Rubric

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Version 4.0

Do you have?

Points Possible

Yes

No

Points Earned

The Game

Let the player know if they win

10

Keep score

10

Have a timer

10

Have a help screen with directions

10

The game resets when the green flag is clicked

10

The game stops when it is over

10

Does the game get harder as you keep playing (more than one level)

10

The Presentation

Brief description of the game explaining how it was programmed using Scratch (what blocks you used, etc.)

10

Peer Grading

20

Extra Credit

Have the best project as voted on by peers

Up to 10

TOTAL:

100